

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Process for controlling~~ An electromagnetic relays comprising:
a control unit configured to control the electromagnetic relay, wherein the control unit is modulated according to at least one of a voltage supply and a current supply,
at least one contact, controlled by a the control unit, wherein the control unit is configured to control the at least one contact according to any one of a voltage supply or and current supply;
wherein the control is modulated according to at least one of a voltage and a current supply
and wherein the control unit is configured to provide to a contacting voltage to the relay, the contacting voltage being sufficient to close a the at least one contact; of a relay, and is
wherein the control unit is configured to provide, modulated according to at least one of the a voltage supply and the a current supply, and to a maintaining voltage, the maintaining voltage being sufficient to maintain this closure of the at least one contact.
2. (Currently Amended) ~~Device for controlling~~ A control unit for an electromagnetic relays from coupled to a voltage source the device comprising:
a power supply-adapting module for adapting the power supply of the relay; and
a control module wherein the control unit is configured to control the power supply-adapting module;
wherein the control control unit is modulated according to at least one of a voltage supply and a current supply; and
at least one contact controlled by the control unit;
wherein the control unit is configured to provide to a contacting voltage that is sufficient to close the contact of the relay; and

wherein the ~~control~~control unit is modulated according to at least one of the a voltage supply and the a current supply and wherein the control unit is configured to provide a maintaining voltage ~~which is sufficient to maintain this closure~~ of the at least one contact.

3. (Currently Amended) ~~Device as claimed in~~ The control unit of claim 2, wherein the ~~control module~~control unit ~~has comprises~~ a means to control a ~~the~~ duration of operation of the power supply-adapting module during ~~contacting closure~~ of the contacts, ~~the duration at an end of which it must control the maintaining of the contacts.~~

4. (Currently Amended) ~~Device as claimed in~~ The control unit of claim 2, wherein the ~~control module~~control unit comprises a module for detecting micro power cuts.

5. (Currently Amended) ~~Device as claimed in~~ The control unit of claim 2, further comprising an oscillator connected to the power supply-adapting module, ~~which wherein the oscillator~~ comprises a calculation means and a means for pulse duration modulation of the supply voltage.

6. (Currently Amended) ~~Device as claimed in~~ The control unit of claim 2, comprising a memory ~~storing~~ configured to store characteristics of the relay.

7. (Currently Amended) ~~Specific integrated~~ An electronic circuit (ASIC), comprising:
at least one pulse duration modulation means~~[[,]]~~;
a control-command unit, the modulation means being controlled by a ~~the~~ control-command unit, wherein the control-command unit is programmed for modulating a power supply of at least one electromagnetic relay;~~[[,]]~~

wherein the control-command unit modulates the power supply ~~by modulating~~ according to at least one of a voltage supply and a current supply; ~~and to a~~ the control-command unit configured to provide a contacting voltage, the contacting voltage being sufficient to close the contact of the relay, and modulating according to at least one of a voltage supply and a current supply and to provide a maintaining voltage, the maintaining voltage being sufficient to maintain this closure.

8. (Currently Amended) ~~The~~ Circuit as claimed in ~~of~~ claim 7, further comprising a micro power cut detector circuit configured to detect micro power cuts.

9. (Currently Amended) ~~The c~~Circuit ~~as claimed in~~ of claim 8, wherein the micro power cut detector circuit, upon detection ~~occurrence~~ of a micro power cut, controls a ~~contacting the~~ voltage provided to ~~on the relay_s with controlled maintaining voltage.~~